

19980616.qrp v01_n124.qrs.980616

Date: Tue, 16 Jun 1998 19:03:19 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1124

QRP-L Digest 1124

Topics covered in this issue include:

- 1) [13208] Circad help?
by "Heron, George" <G.Heron@dialogic.com>
- 2) [13209] Re: Battery Free QRP?!?!
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 3) [13210] Re: HW-8 Connector
by "Ron Polityka" <wb3aal@talon.net>
- 4) [13211] Re: thanks qrp-l another upgrade
by Patrick Cook <pcook@milehigh.net>
- 5) [13212] WTB: T-T Model 217 CW Filter
by k7sz@juno.com (Rick Arland)
- 6) [13213] Re: New(?) interface at QRZ (WQ6RP)
by "Paul Carreiro, N6EV" <n6ev@badger1.net>
- 7) [13214] Re: International QRP Day Contest
by Monte Stark <ku7y@dri.edu>
- 8) [13215] Re: Battery Free QRP?!?!
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
- 9) [13216] WTB: T-T Model 220 SSB Filter
by k7sz@juno.com (Rick Arland)
- 10) [13217] logging for Model 100/102
by Mark Kesner <marklori@visuallink.com>
- 11) [13218] RF-1 antenna analyzer
by alan dawkins <alk0frp@earthlink.net>
- 12) [13219] FS - HF and VHF rigs
by Roy Jackson <rjackson@iname.com>
- 13) [13220] 'Lil SW-40+ Works
by wa8rxi@juno.com (Rick Arzadon)
- 14) [13221] Hootowl Logs
by camqrp@cyberg8t.com (Cam Hartford)
- 15) [13222] MFJ-969 Tuner is SOLD
by Dan Baldwin <baldwin@primenet.com>
- 16) [13223] Re: Double Bazooka
by Ed Tanton <n4xy@att.net>
- 17) [13224] CQC Aloha Site
by "J. Medley" <jmedley@ix.netcom.com>
- 18) [13225] QRPp???
by Ken Lopez <kjlopez@earthlink.net>
- 19) [13226] Re: QRPp???

- by wa8rxi@juno.com (Rick Arzadon)
- 20) [13227] Wire/rope yagi lives
by jdenison@morelr.com (JOEL DENISON)
- 21) [13228] Elmer 101: part 6 quiz
by Michael Maiorana <mikemo@ibm.net>
- 22) [13229] Summary of comments on Icom IC707
by "Michael Babineau" <babineau@nortel.ca>
- 23) [13230] Elmer 101: part 6 questions
by Michael Maiorana <mikemo@ibm.net>
- 24) [13231] The TIXIE board and design
by "Nick Franco" <kf2ph@bnl.gov>
- 25) [13232] Site additions
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
- 26) [13233] Re: Elmer 101: part 6 questions
by Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
- 27) [13234] Elmer101: T4 ferrite design
by Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
- 28) [13235] RE: Wire/rope yagi lives
by cy r currier <crc3@telplus.net>
- 29) [13236] RE: Dans Centennial XCVR comments?
by cy r currier <crc3@telplus.net>
- 30) [13237] Re: Elmer101: T4 ferrite design
by gsurrency@juno.com (Gary L Surrency)
- 31) [13238] Measuring RF Out
by gstauffe@ix.netcom.com (Gilbert Stauffer)
- 32) [13239] RE: Measuring RF Out
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 33) [13240] Re: Measuring RF Out
by "dave r" <elim@ime.net>
- 34) [13241] Re: Measuring RF Out
by "Ken Hanks" <kennfd@ibm.net>
- 35) [13242] Stripping hard drives; tnx fer help.
by John Fletcher <johnf@innotts.co.uk>
- 36) [13243] Re: Measuring RF Out
by W7LS <w7ls@blarg.net>
- 37) [13244] Re: Battery Free QRP?!?!
by crc <crc@io.com>
- 38) [13245] Re: Orlando FL QRPers
by Michael Maiorana <mikemo@ibm.net>
- 39) [13246] FireBall Use
by N5FOS@aol.com
- 40) [13247] Re: Zombies
by Jim Lowman <jmlowman@ix.netcom.com>
- 41) [13248] missing address and call>>>>From Idaho
by RangerSF5@aol.com
- 42) [13249] QRPp
by k8cv@juno.com
- 43) [13250] Visual feedback for hand key operation

- by Bill Jones <kd7s@psnw.com>
- 44) [13251] WM 1 Construction Manual Needed
by "Bill NT1R" <wlegge1@maine.rr.com>
- 45) [13252] Emergency Radio Supplies/Field Day.
by Ed Loranger <we6w@qsl.net>
- 46) [13253] RE: Equiv. operating.
by Mel Evans <MelEvansGM6JAG@compuserve.com>
- 47) [13254] Bill Meara's item
by Mel Evans <MelEvansGM6JAG@compuserve.com>
- 48) [13255] K5FO Orlando Meeting
by Tracy@bytemark.com (Tracy)
- 49) [13256] FS: C.I.A. QRP (YUK YUK)
by radioray@juno.com (Raymond E Tougas)
- 50) [13257] WM 1 MANUAL FOUND, TNX ALL
by "Bill NT1R" <wlegge1@maine.rr.com>
- 51) [13258] Wanted: HyGain DX77
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>
- 52) [13259] Remote (Inductive) Powered transmission.
by Ed Loranger <we6w@qsl.net>
- 53) [13260] qrp on the air
by ac5ez@webtv.net (Larry B)

Date: Mon, 15 Jun 1998 19:04:13 -0400
From: "Heron, George" <G.Heron@dialogic.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [13208] Circad help?
Message-ID: <DC98876F9BBBD111A5F900A02461FF13C0F651@webmail1.dialogic.com>
MIME-Version: 1.0
Content-Type: text/plain

Can anyone provide some quick guidance on how to add new components to the Circad schematic libraries?

I can't seem to be able to do this, and it's quite necessary when you want to use a device that's not provided in the standard libraries (e.g., switches, bar graph arrays, specific microcontrollers, etc.)

Thanks.

72,
--George N2APB
g.heron@dialogic.com

Date: Mon, 15 Jun 1998 16:22:34 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [13209] Re: Battery Free QRP?!?!
Message-ID: <125f01bd98b4\$7a3f5cb0\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Actually, battery-free QRP is a hot field commercially. It is a part of RFID tags. These are little modules with a receiver, transmitter, and microprocessor. The whole thing is powered off the energy recovered in the receiver.

A typical application would be a prepaid bridge toll identification device. A commuter who uses a toll bridge every day would pay a monthly fee. He receives a little badge (the RFID tag) which he puts in the corner of his windshield. As he passes through the toll booth without stopping, a transmitter in the toll booth sends an RF signal which queries his ID tag. The tag rectifies the received RF, powers up its microprocessor and transmitter, and transmits the owner's ID info, and how much he has paid back to the toll booth.

It can also be used for identifying railroad cars as they pass by a switch, or pallets of stuff as they pass through a warehouse, or even people as they pass through a building.

One of the enabling technologies is the zero-bias diode. Although they are not actually zero-bias, these diodes have a extra low forward drop at low currents, and can be used to recover enough power from received RF signal to run a small processor and QRPp transmitter. Hewlett Packard is one of the suppliers of these devices. They may have some application to our daily tasks, too -- like QRP directional wattmeters, for example.

Interesting stuff.

Mike K1MG

Date: Mon, 15 Jun 1998 19:23:51 -0400
From: "Ron Polityka" <wb3aal@talon.net>

To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [13210] Re: HW-8 Connector
Message-ID: <00a001bd98b4\$b0008040\$245445c6@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all that replied. RS had it for under \$2.

73, Good DXing & QRPing
Ron de WB3AAL

E-mail: wb3aal@talon.net
http://www.kpsnet.com/wb3aal/Start_Page.htm
BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

EPA QRP # 1 QRP # 5318 10-10 # 13173
QRP-L # 1099 G-QRP # 3031 AK QRP # 309
Adventure Radio Society #380
Bumblebee #84

Date: Mon, 15 Jun 1998 17:36:23 +0000
From: Patrick Cook <pcook@milehigh.net>
To: eakwik@mail.hac.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [13211] Re: thanks qrp-l another upgrade
Message-ID: <19980615233900574.AAA135@packard-bell>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Ed & Everyone:

At 12:54 PM 6/15/98 -0700, eakwik@mail.hac.com wrote:

> Question. My e-mail address will be changing. How do I get the
> new address to the listserver? If I unsubscribe using my old
> address and then subscribe with my new address will my qrp-l
> number stay with me?

First off, CONGRATS on the upgrade!!! Secondly, to move the list over to
your new address, just unsubscribe your old/current address FROM YOUR
OLD/CURRENT ADDRESS and resubscribe under your new address FROM YOUR NEW
ADDRESS!!!

Hope this helps.... :-)

72/73's for now my friends!! :-)

Patrick cook, KB00XD
CQC #215
Denver, Colorado
pcook@milehigh.net
kb0oxd@qsl.net

Date: Mon, 15 Jun 1998 19:55:16 EDT
From: k7sz@juno.com (Rick Arland)
To: qrp-1@Lehigh.EDU
Subject: [13212] WTB: T-T Model 217 CW Filter
Message-ID: <19980617.000802.10503.1.k7sz@juno.com>

Need the 500 hz CW filter for an Argosy-II. Anyone have one that they want to part with?

73 rich K7SZ

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 15 Jun 1998 17:19:26 -0700
From: "Paul Carreiro, N6EV" <n6ev@badger1.net>
To: qrp-1@Lehigh.EDU
Subject: [13213] Re: New(?) interface at QRZ (WQ6RP)
Message-ID: <Version.32.19980615171609.00facb70@mail.badger1.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:04 AM 6/15/98 -0700, Bill, KD7S wrote:
>It looks like QRZ has a new interface on their "quick callsign lookup"
>page. There is now a place to add a personal profile and even your
>photograph if you wish. I wonder how we could use this feature to
>promote QRP. Just be sure to read the fine print before you enter any
>data.

The Southern California QRP Society has already uploaded a "biography" and club logo. I think the new lookup tool / biography is a great way to publicize our regional clubs. Look up WQ6RP for an example of what can be done.

72 Paul N6EV sCQs #1

Paul F. Carreiro - N6EV - ex-N6HCS - El Camino Village, CA
mailto:n6ev@badger1.net - http://www.qsl.net/n6ev/ - ICQ# 7928709
QRP - Boatanchors - Glowbugs - Mobile CW - QRQ +45WPM - ZUT!
NorCal #367 - QRP-L #236 - QRP ARCI #8885 - FISTS #1407
SCQS #1 - Southern California QRP Society - WQ6RP
Zuni Loop Mountain Expeditionary Force (QRP Field Day) - K6ZNI

Date: Mon, 15 Jun 1998 17:32:04 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Frank G3YCC <g3ycc@g3ycc.prestel.co.uk>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13214] Re: International QRP Day Contest
Message-ID: <Pine.SOL.3.96.980615172956.8853A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 15 Jun 1998, Frank G3YCC wrote:

Hi Frank,

> Send me your final score, not log. The
> first three win certificates from me.

1023

> I hope that is clear.

Yep!

: -)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 15 Jun 1998 20:36:41 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13215] Re: Battery Free QRP?!?!
Message-ID: <Pine.GS0.3.96.980615203441.27723B-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 15 Jun 1998, Thomas Jennings wrote:

> Why not use the energy from a crystal detector to charge up a
> huge capacitor? That way you can get a couple of hundred mw
> out of the transmitter. The capacitor would be charging as long
> as a signal is received.

Or, in areas with multiple strong sources on diverse frequencies, multiple receivers with the combined output either charging a capacitor or a battery. Not different in principle, although much more QRP in scope, than some of Tesla's ideas of energy broadcast and reception.

-73-

LB, W4RNL

Date: Mon, 15 Jun 1998 21:01:15 EDT
From: k7sz@juno.com (Rick Arland)
To: qrp-1@Lehigh.EDU
Subject: [13216] WTB: T-T Model 220 SSB Filter
Message-ID: <19980617.011414.10503.9.k7sz@juno.com>

Need the 2.4 kHz 8-pole SSB filter for an Argosy-II. Anyone have one that they want to part with?

73 rich K7SZ

PS: Still need the Model 217, 500 hz CW filter, too.

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Date: Mon, 15 Jun 1998 18:23:14
From: Mark Kesner <marklori@visuallink.com>
To: qrp-1@Lehigh.EDU
Subject: [13217] logging for Model 100/102
Message-ID: <3.0.5.16.19980615182314.265f20b6@visuallink.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I wonder if anyone has a logging program for the old Tandy Model 100? I hope to use it for field day logging and thought someone might have already gone to the trouble of writing a program. It's been a long time since I had to write any programs even though that was my college major. So much for the value of good schooling! :-) Thanks in advance for any help!

Mark
KC4GIA

Date: Sun, 14 Jun 1998 19:57:42 -0600
From: alan dawkins <alk0frp@earthlink.net>
To: qrp-1@Lehigh.EDU
Subject: [13218] RF-1 antenna analyzer
Message-ID: <35847F96.CE848DDC@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The RF-1 is spoken for
Thank you
Al K0FRP

Date: Mon, 15 Jun 1998 20:57:27 -0500

From: Roy Jackson <rjackson@iname.com>
To: qrp-l@Lehigh.EDU
Subject: [13219] FS - HF and VHF rigs
Message-ID: <3.0.5.32.19980615205727.007c2ad0@mail.netnitco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I bought a Ten Tec Century 21 at our hamfest in March. I hooked it up to see if it works, but have not made a QSO with it. I know it receives, and shows output power into a dummy load. It is the analog version and is cosmetically good. I don't really like the direct conversion receiver. Will sell it for \$150 shipped to CONUS. I also have the manual for it.

Alinco DJ-S11 2 meter pocket-sized HT. ~350 mW output. I bought the new DJ-190 and have too many HT's. \$80 shipped to CONUS. It is like new with what Alinco passed off as a manual and original box.

Thanks,

Roy Jackson, N9RG Michigan City, Indiana
QRP-L #447

Date: Mon, 15 Jun 1998 22:48:03 EDT
From: wa8rxi@juno.com (Rick Arzadon)
To: qrp-l@Lehigh.EDU
Cc: Bensondj@aol.com
Subject: [13220] 'Lil SW-40+ Works
Message-ID: <19980616.025703.4775.0.WA8RXI@juno.com>

Finished SW-40+ this past week-end.

Used Watson's, WB4EXW's ideas to get a little more bandspread with the VX0.

C7 is a 5-25pF Ceramic, which I soldered to the (clipped off) fixed Cap leads.

I incorrectly installed my 22pF @ C8 which worked out anyway. I mounted an 82pF

on the underside of the board. The VX0 now tunes from 7004 to 7046.5...

Had two QSO's with everything clip-leaded together, but the sidetone was a little low, so placed a 22K Resistor in parallel with R10.

That brought the sidetone up a bit.

Put everything in a cabinet and sent off an E-Mail to Dave, NN1G about the sidetone. He suggested that I place a 1M Resistor in parallel with R9 instead. R10 is part of the active filter, oops!

Since following Dave's suggestion my sidetone and incoming signals are much louder and had a 62 Minute QSO this afternoon with Tracy, KA2CMA (Gerry, NY), he was using an OHR-400. My 1.5 Watts to his 7 Watts. COOL!!!

Rig went together very well with good instructions, a high quality board and parts.

This one's a keeper!

72, Rick WA8RXI

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Date: Mon, 15 Jun 1998 20:06:52 -0700 (PDT)
From: camqrp@cyberg8t.com (Cam Hartford)
To: qrp-1@Lehigh.EDU
Subject: [13221] Hootowl Logs
Message-ID: <199806160306.UAA07523@key.cyberg8t.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang -

I've received logs via e-mail from the following folk for the Hootowl Sprint. If you've sent me an e-mail log and your call isn't on the list, let me know.

W6SIY	W6ZH	W6SU
W4ED	N8ET	KF8EE
NC7W	AL7FS	WE6W
N0OCT	KB4DJR	WA6ARA
K8CV	N8CQA	KB3WK

TNX es CUL,

Cam N6GA

Date: Mon, 15 Jun 1998 20:47:59 -0700

The MFJ-969 Tuner is SOLD. I couldn't believe the number of responses I received on this tuner. Thanks to everyone who responded.

Easy one Bruce:

2. Delta Loop: one of the better simple wire antennas that CAN have a low angle of radiation depending upon configuration and feedpoint. Very nice DX antenna for not too much money when properly done.

>Can anyone offer a comparison between the Double Bazooka antenna for 40 mtrs
>and a Delta Loop for 40 mtrs?...tnx & 72 - Bruce(VE5RC)

 $\succ$

Ed Tanton N4XY EMAIL: n4xy@att.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

INTERESTS:	QRP	BoatAnchors	Test Equipment	Photography
CW: 99.9%		Mercury Paddle # 0214		ORP to 150W: 95%

~~~~~  
"Think you can, think you can't: either way you're right!"      Henry Ford  
~~~~~

Date: Tue, 16 Jun 1998 00:15:14 -0500 (CDT)
From: "J. Medley" <jmedley@ix.netcom.com>
To: qrp-1@Lehigh.EDU
Subject: [13224] CQC Aloha Site
Message-ID: <3.0.16.19980615223844.3ac7ca58@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, things are shaping up rather nicely here at Field Day site #2 HQ. We've been approved to use the Arapaho Group campsite at Cherry Creek State Park. Those of you who will be camping overnight with us on Friday or Saturday need to let me know ASAP as we need to turn in a solid head count before Friday, and so we can get an information package out to you. Otherwise, feel free to drop in and join us on either Saturday or Sunday.

Saturday evening will be our get-together-BBQ. Everyone brings their own food, cooks it, then we all sit around and tell tall tales. Come share your stories. Lots of fun in the works.

Oh, all ops have to wear a Hawaiian shirt, it's mandatory. We're equipped with tons of leis, and special Field Day buttons to grace that favorite call sign hat, and those cute little paper umbrellas that look great in a Pina Colada. There will be fun, lots of good folks, lots of Jimmy Buffet music, and we'll probably make a few contacts here and there :) afterall, we will be running the full 27 hours!

We'll be running under the call N0QT and 2A C0. If you've just built a rig, accessory, antenna, or whatever, bring it on out with you! We'll hook it up and put it on the air and give it a real workout.

So let me know if you plan to join us for camping ASAP, we're allowed up to 24 persons and currently have 15. We'll have lots of drop-in traffic over the two day period. Who knows just who'll you will run into!

72's
Jan N0QT

Date: Sun, 14 Jun 1998 19:30:34 -0700
From: Ken Lopez <kjlopez@earthlink.net>
To: QRP-1 <QRP-1@Lehigh.EDU>
Subject: [13225] QRPp???
Message-ID: <35858AB8.2D67@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have never received the Spring Issue. Has anyone received it, or are we all still waiting?

Cheers,
Ken, N6TZV

Date: Tue, 16 Jun 1998 03:13:01 EDT
From: wa8rxi@juno.com (Rick Arzadon)
To: kjlopez@earthlink.net
Cc: qrp-1@Lehigh.EDU
Subject: [13226] Re: QRPp???
Message-ID: <19980616.072220.4775.0.WA8RXI@juno.com>

Still awaiting mine!
73, Rick

On Sun, 14 Jun 1998 19:30:34 -0700 Ken Lopez <kjlopez@earthlink.net> writes:
>I have never received the Spring Issue. Has anyone received it, or are
>we all still waiting?
>
>Cheers,
>Ken, N6TZV
>
>
>

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Date: Tue, 16 Jun 1998 08:37:40 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-l@Lehigh.EDU
Subject: [13227] Wire/rope yagi lives
Message-ID: <199806161337.IAA10794@ns1.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

High Gang:

well I felt good enough to put up a few ropes yesterday and got up a three element forty yagi pointed toward europe... Heard some europeans too... imagine that...:-)

The ant still looks distorted, dad-gum rg8u is heavy and causing the driven element to sag... and I think I will point the thing toward the lower 47 till winter... It's only about thirty feet up, now that my maine tree fell down...

If necessary I'll use some rg58u or even twin lead to get the sag out and when I'm feeling better I'll add some thirty meter elements... guess what I need is a trap dipole for the driven element and I could anchor it with it's own ropes and the other elements would stretch out just fine... working on it...

In the meantime, maine qrp/4w is available to the other 47 if anyone needs it for was on forty...

Be forewarned though... this is four effective watts... with readability of four and five normal... ur receiver front end :-) won't need to be "state of the art" to hear this qrp signal...

QRP + good Antenna = good readability... even qro peoples respect that...

God bless
joel

God Bless
Joel

WA5CVM
Joel Denison
PO BOX 542
Strong, Maine 04983
jdenison@morelr.com

Gentlemen don't Cry, They QSY :-)
Gentle Lady (RC Sail Plane)(049 engine - start)
2 element yagi on 40mtr
QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765
AK/QRP 109

Date: Tue, 16 Jun 1998 09:45:31 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: qrp-l <qrp-l@Lehigh.EDU>

Subject: [13228] Elmer 101: part 6 quiz
Message-ID: <358676FB.69B3@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ok, I've only got one answer to this quiz question from part 6. I'd really like to see all the students take a crack at answering it. Here is a copy.

Now while trying to peak T2 and T3 again I accidentally bumped the ground shield on my scope probe to the top part of R20 (the side not connected to V+). Can anyone guess which component I fried when I keyed up, and why? (This is homework ;-)

See if you can figure it out!

--

72 de ku4qo
Mike Maiorana
Palm Harbor, FL

"Have a great day, and enjoy whatever liberty you have remaining!"

Date: 16 Jun 1998 10:26 EDT
From: "Michael Babineau" <babineau@nortel.ca>
To: qrp-l@Lehigh.EDU
Cc: vferme@sprint.ca, daniel@pandora.lugs.org.sg, jwodell@ameritech.net, penzo@juno.com, ejensen@siemens-psc.com, w5jh@swlink.net, k8cv@juno.com, montaw@tdbank.ca
Subject: [13229] Summary of comments on Icom IC707
Message-ID: <199806161428.KAA15334@nss4.cc.Lehigh.EDU>

Hi:

About a week or so ago, I posted to the list soliciting comments on the ICOM IC707 HF Rig. This rig is targetted as a mobile/entry level HF rig and is priced accordingly.

I got a total of about 8 responses. The consensus is pretty much that you are getting what you are paying for. Not a great rig for CW as it is semi-breakin using a relay and one user was also not particularly happy with the AGC. Also Icom seems to want a small fortune for their

add on 500hz or 250hz CW filters. Others suggested that that the Yaesu FT-840 is similarly priced but offers a bit more functionality including a cheaper add-on CW Filter. Also had about 3 or 4 people suggest that I consider the Alinco DX77T. This rig is a little bit higher in price than the ICOM and Yaesu but it includes a 500hz crystal CW filter as well as a keyer. Also if I remember correctly the DX77T supports FM without any additional options required, unlike the IC707. One other minor feature, which is important to me is that the DX77T has fixed level audio available as one of the pins on the mic connector, making it simpler to connect a data controller for Amtor/Pactor, which is one of my motivations for buying a new rig.

The June Issue of QST has a very good review of the DX77T and they liked it a lot. So, my conclusion is that for a little less than what I would pay for the IC707 + add-on CW filter, I can get a DX77T which appears to be a superior radio with some added features including a CW filter, QSK and a keyer. Now I just need to find the cash.

Thanks to all of you who provided input. To anyone else looking for a fairly basic HF rig without a lot of bells and whistles, I would suggest taking a look at the June QST review of the DX77T.

73,

Michael
VE3WMB

Date: Tue, 16 Jun 1998 10:35:41 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [13230] Elmer 101: part 6 questions
Message-ID: <358682BD.7D23@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sri it took so long to forward these questions. They are very good and will require some hard looking at the amplifier chain.

My interest has been "peaked" while reading the first chapter of "The Art of Electronics," a text recommended on QRP-L. I have been reading a section on Thevin's equivalent circuit which the author's use as a basis

for understanding impedance matching between circuits.

1. What are the input-output impedances associated with the circuitry associated with Q4 and Q5? I would appreciate the logic supporting the answer. I am comfortable with only resistance and DC circuits at this time, but I am not quite certain how to incorporate active devices and reactance components in the computations.
2. C114 by-passes only a part of the Q5 emitter resistance. Why? I "thought" good practice dictated a by-passing of the total emitter resistance was necessary to assure a "stable" circuit, that is, to avoid oscillation. Obviously, I have missed something in my past study/reading.
3. The directions for peaking T2 and T3 do not exclude the use of a metallic tool. I used both a metal small screwdriver and a homebrewed plastic "screwdriver" with no discernible difference in adjustment. However, I have some other kit building experiences with the adjustment of coil/capacitor/ferrite which required the use of a plastic tuning tool. What gives?

Elmers, have at it! Please post answers to the list for all to read.

--

72 de ku4qo

Mike Maiorana

Palm Harbor, FL

"Have a great day, and enjoy whatever liberty you have remaining!"

Date: Tue, 16 Jun 1998 11:07:20 -0400

From: "Nick Franco" <kf2ph@bnl.gov>

To: <qrp-1@Lehigh.EDU>

Subject: [13231] The TIXIE board and design

Message-ID: <001e01bd9938\$755401e0\$0b5ac782@nickf.rhic.bnl.gov>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hello gang,

I don't post much any more since being on digest for the last year or so, but I wanted to tell you guys (NY) / y'all or all y'all (visions of threads from years gone by :-)) about my latest experience with the TIXIE tcvr from

Embedded Research.

Mike - AA2Q0 and I bought the TIXIE boards and TiCK chips from Embedded Research and scrounged up the parts here and there. I don't think we had to buy more than a couple of dollars worth of components. The TiCK keyer chip not only adds a keyer to the Pixie2 rig but also add sidetone (what a pleasure). The key clicks are still loud but at least that's not your only way of timing your keying. The board is large or I should say not cramped at all (measuring about 3" x 3"). It's too big for an Altoids tin, so you'll have to improvise here. Mike picked up these little Monopoly candy tins that operate like a little lunch box. This will make adjusting the RIT and switching crystals a breeze by just opening the lid.

I don't know how much power I'm putting out (have measured with a scope yet), but I at the first tick mark on my MFJ tuner in the 30W setting which should be close to 1 watt. I figure about 750 - 900 mW (just a guess). I have checked into the Sunday KL Net from Long Island to North Carolina. I have also had a couple of QSO's with Pierre - KA2QPG in upstate NY about 90 miles away. He is using a more conventional Pixie2 and I'm on the Tixie.

I've been enjoying playing with this new little gem and will be making it function as a dual bander (40m and 80m) when I put it into the case. It should prove to be a nice little camping/hiking rig. I will be taking it with me on a motorcycle camping trip later this summer.

So keep on building those Pixies and Tixies. They may be simple compared to the sophisticated kits out there but they are a blast to play with and experiment with. Pierre is working on a filter method to remove most of the BC interference. I'm sure he'll post his findings soon.

72 for now es gud to chat with you again,

Nick - kf2ph
QRP-L # 13 . .

--

Nicholas J. Franco <>> BROOKHAVEN NATIONAL LABORATORY
Systems Administrator RHIC Project Building 1005
Tel: (516) 344-5467 UPTON, NY 11973-5000
Fax: (516) 344-3674 Ham Call: KF2PH
nickf@bnl.gov - <http://www.rhichome.bnl.gov/People/franco>

Date: Tue, 16 Jun 1998 11:15:25 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>

To: towertalk@contesting.com, QRP-L List <qrp-l@Lehigh.EDU>, gqrp-
l@blacksheep.org, tenten-l@Lehigh.EDU
Subject: [13232] Site additions
Message-ID: <Pine.GS0.3.96.980616110829.21230C-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

In answer to some requests, I have added a new category under the
"Miscellaneous" heading called education. It contains the casual pieces I
have contributed to the ARRL National Education Workshop proceedings over
the past few years. The aim is helping ham instructors without extensive
teaching backgrounds. The articles range from the tiny ("The Blackboard
Jumble") to the over-arching (for example, a proposal for a post-licensing
continuing education series of volumes that could be used for self-study
or classroom work--geared expressly to ham interests). Also some
practical matters like using antenna modeling software as a teaching tool,
teaching shack design, etc. Mostly entertainment rather than technical,
but in case you do some teaching and do not think you have the background,
there may be some few notes of use in the collection.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\ /\ *	/ / /	(Off) (423) 974-7215
1434 High Mesa Drive	/ \ / \ \	----/\---	(Hm) (423) 938-6335
Knoxville, Tennessee	/\ \ \ \	/ / /	(FAX) (423) 974-3509
37938-4443 USA	/ \ \ \ \		cebik@utk.edu
URL:	http://web.utk.edu/~cebik/radio.html		

Date: 16 Jun 1998 11:52:57 -0400
From: Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
To: mikemo@ibm.net
Cc: qrp-l;
Subject: [13233] Re: Elmer 101: part 6 questions
Message-ID: <1998Jun16.115257-0400@[130.113.234.7]>

In <358682BD.7D23@ibm.net>, Michael Maiorana wrote:

>*****

>My interest has been "peaked" while reading the first chapter of "The
>Art of Electronics," a text recommended on QRP-L. I have been reading a

>section on Thevin's equivalent circuit which the author's use as a basis
>for understanding impedance matching between circuits.s

Thevenin and Norton equivalents are VERY powerful analytical
tools. Used extensively to simplify linear circuits. Learn 'em well.

>

>1. What are the input-output impedances associated with the circuitry
>associated with Q4 and Q5? I would appreciate the logic supporting the
>answer. I am comfortable with only resistance and DC circuits at this
>time, but I am not quite certain how to incorporate active devices and
>reactance components in the computations.

You need to learn a little more about active circuits before you
can work out Q4's input Z. But you can find an upper limit by calculating
the equivalent resistance of Q4's bias resistors, R23(22K) and R24(10K).
You should be able to see that Q4's base will be in parallel with these
resistors, and can only reduce the result of the above calculation.

Since we're dealing with AC signals, consider the top of R23 to
be at AC ground potential. So for AC, R23 and R24 are in parallel.

>

>2. C114 by-passes only a part of the Q5 emitter resistance. Why? I
>"thought" good practice dictated a by-passing of the total emitter
>resistance was necessary to assure a "stable" circuit, that is, to avoid
>oscillation. Obviously, I have missed something in my past
>study/reading.

>

Actually, the circuit is more stable with some of the emitter
resistance un-bypassed. The gain is lower as a result. And Q5's input
impedance is higher too. Q5 becomes a more linear amplifier as well.
A good, conservative design.

>3. The directions for peaking T2 and T3 do not exclude the use of a
>metallic tool. I used both a metal small screwdriver and a homebrewed
>plastic "screwdriver" with no discernible difference in adjustment.
>However, I have some other kit building experiences with the adjustment
>of coil/capacitor/ferrite which required the use of a plastic tuning
>tool. What gives?

>

T2 and T3 are cup-cores. The screwdriver slot is mostly out of
the flux path. This design is mostly self-shielding.
And T2, T3 tune fairly broadly too, so you don't notice much de-tuning.
I'd still use a plastic tool though.

A slug-tuned threaded core with a hex-hole is a different story.
Here, the flux-path is terribly distorted by a metal tool.

Date: 16 Jun 1998 12:21:18 -0400
From: Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
To: qrp-l;;
Subject: [13234] Elmer101: T4 ferrite design
Message-ID: <1998Jun16.122118-0400@[130.113.234.7]>

In a previous post, I had guessed that T4's AL value was sufficient to provide minimal magnetizing current at 7MHz.

Looked up FT37-43 AL value from the following table, provided by an Ocean State catalog:

	Material
Core -43 -61 -63 -75 -77	

FT23 188 25 8 - 396	
FT37 420 55 18 2210 884	
FT50 523 68 22 2750 1100	

These AL values are in units of mH per 1000t.
So our FT37-43 core has 420 mH for 1000 turns. We want to find its inductance for ONE turn. Since inductance scales with turns-squared, we get 0.42 uH for one turn.

At 7MHz, that'll give $2 * \pi * 7e6 * 0.42e-6$ ohms of inductive reactance....18.5 ohms.

I had calculated base impedance of Q6 at roughly 6 ohms. So that one-turn secondary winding on T4 has a magnetizing current about 1/3 load current. The "rule-of-thumb" was to design for 1/5 to 1/10 ratio for magnetizingcurrent/loadcurrent.

So T4 isn't entirely broadband. The associated stray capacitances, Q5's output capacitance, and Q6's input capacitance may cause T4 to "peak" a little - it'd be great if this minor peak was in the 7 - 10 MHz region.

Another design question might be "is Q5's collector current small enough that T4 doesn't saturate?". I don't have the data to answer, but consider that L2 (wound on the same type core) with similar turns and MORE average current doesn't get warm....T4 is OK.

Date: Wed, 17 Jun 1998 00:37:28 -0400
From: cy r currier <crc3@telplus.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>,
"jdenison@morelr.com" <jdenison@morelr.com>

Subject: [13235] RE: Wire/rope yagi lives
Message-ID: <01BD9988.1C90DE20@bgr73.lobster.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

hi joel

how about an update. how did your organ recital go. have you left some =
parts at the expensive hotel yet?? pls keep us posted. tnx. cy - k1tes =
crc3@telplus.net=20

From: JOEL DENISON
Sent: Tuesday, June 16, 1998 4:37 AM
To: Low Power Amateur Radio Discussion
Subject: Wire/rope yagi lives

High Gang:

well I felt good enough to put up a few ropes yesterday and got =
up a
three element forty yagi pointed toward europe... Heard some europeans
too... imagine that...:-)

The ant still looks distorted, dad-gum rg8u is heavy and causing =
the
driven element to sag... and I think I will point the thing toward the =
lower
47 till winter... It's only about thirty feet up, now that my maine tree
fell down...=20

If necessary I'll use some rg58u or even twin lead to get the =
sag
out and when I'm feeling better I'll add some thirty meter elements... =
guess
what I need is a trap dipole for the driven element and I could anchor =
it
with it's own ropes and the other elements would stretch out just =
fine...
working on it...
In the meantime, maine qrp/4w is available to the other 47 if anyone =
needs
it for was on forty...

Be forewarned though... this is four effective watts... with
readability of four and five normal... ur receiver front end :-)) won't =
need
to be "state of the art" to hear this qrp signal...

QRP + good Antenna =3D good readability... even qro peoples =
respect
that...
God bless

joel=20

God Bless
Joel

WA5CVM
Joel Denison
start)
PO BOX 542
Strong, Maine 04983
765
jdenison@morelr.com

Gentlemen don't Cry, They QSY :-)
Gentle Lady (RC Sail Plane)(049 engine - =
2 element yagi on 40mtr
QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L =
AK/QRP 109 =20

Date: Wed, 17 Jun 1998 00:32:59 -0400
From: cy r currier <crc3@telplus.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>, "'mikemo@ibm.net'"
<mikemo@ibm.net>
Subject: [13236] RE: Dans Centennial XCVR comments?
Message-ID: <01BD9988.19067EE0@bgr73.lobster.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

i had the same thought but u got it posted before i did. i would also like all
info.
thank you. cy - k1tes crc3@telplus.net

From: Michael Maiorana
Sent: Monday, June 15, 1998 3:25 PM
To: Low Power Amateur Radio Discussion
Subject: Dans Centennial XCVR comments?

I'm thinking of getting a 40 meter centennial kit from Dans. Does anyone
who has built one have any comments, good or bad?
Thanks!

--
72 de ku4qo
Mike Maiorana
Palm Harbor, FL

"Have a great day, and enjoy whatever liberty you have remaining!"

Date: Tue, 16 Jun 1998 09:48:10 -0700
From: gsurrency@juno.com (Gary L Surrency)
To: qrp-1@Lehigh.EDU
Subject: [13237] Re: Elmer101: T4 ferrite design
Message-ID: <19980616.095815.10166.0.gsurrency@juno.com>

Glen Leinweber wrote:

>Another design question might be "is Q5's collector
>current small enough that T4 doesn't saturate?". I don't
>have the data to answer, but consider that L2 (wound on
>the same type core) with similar turns and MORE average
>current doesn't get warm....T4 is OK.

Since I have boosted the output of my SW40+ to 5 watts, L2 *does* get fairly warm during transmit. I'm trying to determine if the heating is coming from core losses or the small wire gauge. Guess I'll have to rewind the core with some larger enamel wire to see what happens. Anybody else notice their L2 core heating at the 5 watt level?

Sure is a great little radio tho' ! ;-)

72,

Gary Surrency AB7MY
S&S TAC-1(40&80m) ARK30 38S OHR100 w/KC-2 HW-9 TS-570D NC40A
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

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Date: Tue, 16 Jun 1998 12:33:44 -0500 (CDT)
From: gstauffe@ix.netcom.com (Gilbert Stauffer)
To: qrp-1@Lehigh.EDU
Subject: [13238] Measuring RF Out

Message-ID: <199806161733.MAA15561@dfw-ix2.ix.netcom.com>

I've been reading the mail from this group for quite some time, and finally decided to plunge in and try QRP. I purchased and built a GM-20 transceiver kit which worked immediately on receive...and works well! However, I have yet to make a contact with it. While I can hear my signal in my station receiver, I don't have anything to measure output at the QRP level.

Can you help me with suggestions? What do others use to measure QRP (1.5 watts) power output/SWR? Should I homebrew or is there a good kit I could purchase and build?

Gil Stauffer
WB3ESR
gstauffe@ix.netcom.com

Date: Tue, 16 Jun 1998 12:55:03 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <gstauffe@ix.netcom.com>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [13239] RE: Measuring RF Out
Message-ID: <19980616175506250.AAA197@muenzlerk>

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Gilbert Stauffer
> Sent: Tuesday, June 16, 1998 12:34 PM
> To: Low Power Amateur Radio Discussion
> Subject: Measuring RF Out
>
>
> I've been reading the mail from this group for quite some time, and
> finally decided to plunge in and try QRP. I purchased and built a
> GM-20 transceiver kit which worked immediately on receive...and works
> well! However, I have yet to make a contact with it. While
> I can hear
> my signal in my station receiver, I don't have anything to measure
> output at the QRP level.
>

> Can you help me with suggestions? What do others use to measure QRP
> (1.5 watts) power output/SWR? Should I homebrew or is there
> a good kit
> I could purchase and build?
>
> Gil Stauffer
> WB3ESR
> gstauffe@ix.netcom.com
>

Patience Gil! Patience! I call CQ an average of 20 times before I get a response. It is the nature of most hams to come back to "easy" signals. If your signal is just above the noise level most hams won't respond (unless you are calling from Outer Slabovia or something.) But to answer your question I've seen QRP wattmeter projects in the ARRL handbooks.

Kevin, WB5RUE
wb5rue@stic.net
<http://www.qsl.net/wb5rue>

Date: Tue, 16 Jun 1998 14:02:48 -0400
From: "dave r" <elim@ime.net>
To: <gstauffe@ix.netcom.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [13240] Re: Measuring RF Out
Message-ID: <000b01bd9950\$fa0c85c0\$36c65ad1@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: Gilbert Stauffer <gstauffe@ix.netcom.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Tuesday, June 16, 1998 1:42 PM
Subject: Measuring RF Out

>I've been reading the mail from this group for quite some time, and
>finally decided to plunge in and try QRP. I purchased and built a

>GM-20 transceiver kit which worked immediately on receive...and works
>well! However, I have yet to make a contact with it. While I can hear
>my signal in my station receiver, I don't have anything to measure
>output at the QRP level.
>
>Can you help me with suggestions? What do others use to measure QRP
>(1.5 watts) power output/SWR? Should I homebrew or is there a good kit
>I could purchase and build?
>
>Gil Stauffer
>WB3ESR
>gstauffe@ix.netcom.com

There are many qrp watt/swr meters on the market.. But the one that I have
used and it
is accurate.. is the Oak Hill Research WM1-- It has worked flawlessly for
me for many years now.. and is a Quality kit to build.. ,I believe they now
sell a similar meter as the WM-2, don't know what the differences might be
but I can say I will never part with mine.. here's their Home Page..

<http://www.ohr.com/>

good luck and 73.. DAve KC1DI

Date: Tue, 16 Jun 1998 14:08:26 -0400
From: "Ken Hanks" <kennfd@ibm.net>
To: <gstauffe@ix.netcom.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [13241] Re: Measuring RF Out
Message-ID: <01bd9951\$c2783360\$LocalHost@kh>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gil:

If you're in the mood for another great kit, try the WM-2 watt meter from Oak
Hill Research. First rate kit, 3 power ranges (10W, 1W, 100mW). More than
a few members on the list have one. Cost is around \$70 or \$80 dollars
complete with cabinet.

73, es Ken K1XS@ibm.net

PS I have a GM-20 too. output is about 1.5W

Date: Tue, 16 Jun 1998 19:20:04 +0100 (BST)
From: John Fletcher <johnf@innotts.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [13242] Stripping hard drives; tnx fer help.
Message-ID: <199806161820.TAA20119@carlton.innotts.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi All,

Thanks to Ed and Mark for identifying the MOSFETs in my bargain hard drive. These will find QRP employment, sometime.

If you use those breadboards with rows of spring contacts held in a plastic block, you can make useful patch leads for them by removing the gold-plated pins from header plugs on scrap computer boards and soldering them to lengths of hook-up wire. Sleeve the soldered joint with heat-shrink. The headers are difficult to remove in one piece but the pins can easily be pulled out one by one using a soldering iron and fine pliers. The pins are just the right size for breadboards.

My hard drive contained a powerful circular magnet, part of disk motor, which was easily removed. It is mounted on a plate with a central hole and could be the basis of a mag-mount for a lightweight VHF or UHF whip.

Anyone else found a use for hard drive parts?

72 de John G4EDX

Date: Tue, 16 Jun 1998 11:20:45 -0700
From: W7LS <w7ls@blarg.net>

To: gstauffe@ix.netcom.com
Cc: qrp-1@Lehigh.EDU
Subject: [13243] Re: Measuring RF Out
Message-ID: <3586B77D.448F@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. If you have an oscilloscope, you have what you need. Just fire the signal into the scope with a 50 ohm terminator on the scope and measure the peak to peak voltage. Divide by two to get peak voltage and multiply by .707 to get RMS voltage. Square and divide by 50. There you have it; probably the most precise method of power measurement. Just make sure your scope is rated for the frequency you are measuring. A 100 MHz scope is fine for HF. Errors will be under a dB.

73 de Jim, W7LS

Gilbert Stauffer wrote:

>
> I've been reading the mail from this group for quite some time, and
> finally decided to plunge in and try QRP. I purchased and built a
> GM-20 transceiver kit which worked immediately on receive...and works
> well! However, I have yet to make a contact with it. While I can hear
> my signal in my station receiver, I don't have anything to measure
> output at the QRP level.
>
> Can you help me with suggestions? What do others use to measure QRP
> (1.5 watts) power output/SWR? Should I homebrew or is there a good kit
> I could purchase and build?
>
> Gil Stauffer
> WB3ESR
> gstauffe@ix.netcom.com
>
>

Date: Tue, 16 Jun 1998 13:25:43 -0500
From: crc <crc@io.com>
To: mgipe@reliablemeters.com
Cc: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [13244] Re: Battery Free QRP?!?!
Message-ID: <3586B8A7.6642@io.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Michael A. Gipe wrote:

>
> Actually, battery-free QRP is a hot field commercially. It is a part
> of RFID tags. These are little modules with a receiver, transmitter,
> and microprocessor. The whole thing is powered off the energy
> recovered in the receiver.
>
> Interesting stuff.
>
> Mike K1MG
Mike: Maybe we can have two qrp hams sending back and forth and each
using the recovered energy to transmit back and forth, a qrp experiment
in perpetual motion.
) charlie WA5KRF

Date: Tue, 16 Jun 1998 14:31:20 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: qrp1 <qrp-1@Lehigh.EDU>, Chuck Adams <adams@chuck.dallas.sgi.com>
Subject: [13245] Re: Orlando FL QRPers
Message-ID: <3586B9F8.45A1@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Chuck Adams wrote:

> How about you picking a place for tomorrow night, Wednesday and
> announcing to the group. Then send me instructions on how to find
> you guys. I'll be there.

Since I'm from Tampa, not Orlando, I really don't know where to go.
Any other Orlando area guys who would like to hook up tomorrow
(Wednesday) evening for food and fun? Can you pick a good place to meet
and send it to the list please? (with directions please)

Chuck, if no one comes up with anything I'll meet you somewhere and we
can find a place to go. Where are you staying? I could always meet you
at the hotel. Pizza sounds good ;-)

--

72 de ku4qo
Mike Maiorana
Palm Harbor, FL

"Have a great day, and enjoy whatever liberty you have remaining!"

Date: Tue, 16 Jun 1998 14:38:49 EDT
From: N5FOS@aol.com
To: qrp-1@Lehigh.EDU
Subject: [13246] FireBall Use
Message-ID: <b4358d8.3586bbbba@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hello everyone,
I was wondering if there are many of you whom might still be actively using the FireBall transmitter. If so, I would like to reciprocate with you to chat about your experiences, compare notes, etc. I have a plan to create a new pwb which would have numerous other sockets for ease of band switching.
TNX, CUL, Best 72's
Mike Griggs
N5FOS
n5fos@aol.com

Date: Tue, 16 Jun 1998 13:12:32 -0700
From: Jim Lowman <jmlowman@ix.netcom.com>
To: vintage@best.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13247] Re: Zombies
Message-ID: <3586D1B0.6FDEAFB9@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Robert P. Okas wrote:

> Naw, It's the time of the season...

Wonder how many caught on to this one?

72 de Jim - AD6CW

Date: Tue, 16 Jun 1998 16:31:32 EDT
From: RangerSF5@aol.com
To: qrp-1@Lehigh.EDU
Subject: [13248] missing address and call>>>>>From Idaho
Message-ID: <58d48eb6.3586d625@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Message to the person from Idaho who sent me a small package.
The package arrived today.
Please *E* mail your call as I had a problem and lost all saved mail
Bob
WA2HQQ

Date: Tue, 16 Jun 1998 15:16:11 GMT
From: k8cv@juno.com
To: qrp-1@Lehigh.EDU
Subject: [13249] QRPP
Message-ID: <19980616.204007.8566.1.k8cv@juno.com>

I've got mine! Vol. VI. No. 1says Spring 1998 right on the
front cover!

It is GREEN.

But I don't have the SUMMER one yet , where is it? WOWSERS can't wait
Doug..... :-)

Walt K8CV

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 16 Jun 1998 14:11:35 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-1@Lehigh.EDU
Subject: [13250] Visual feedback for hand key operation
Message-ID: <3586DF87.3A5CA400@psnw.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Friends,

Several years ago I saw a piece of computer software that accepted input from a hand key and showed (graphically) the dot and dash lengths as well as the interelement spacing. It was designed to train operators to send keyer-like CW. Does anybody know where I can find this (or something similar)?

=====
Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Tue, 16 Jun 1998 17:20:17 -0400
From: "Bill NT1R" <wlegge1@maine.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [13251] WM 1 Construction Manual Needed
Message-ID: <199806162117.RAA12085@proxyb1-atm.maine.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Thanks for reading. I purchased a kit from an estate and did not receive any printed materials. Can you help? I would be happy to reimburse. Bill

Date: Tue, 16 Jun 1998 21:43:52 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13252] Emergency Radio Supplies/Field Day.
Message-ID: <3586E718.12FB@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Of course nothing beats a day out on the mountain, successful operation there, and putting everything in a box. But here's a little checklist for those who like to have such organizational tools:

<http://spb2.spb.ca.gov/cares/supply2.txt>

There's a ton of stuff on the web, this one showed up while doing a 'Alta Vista' web search for "Antenna Tuner".

I'm still looking for Graduate Quality text on "Coupled loop impedances" etc.... the brain never stops....

Been very busy at QTH/WE6W. Last two weeks our horseshoe pitching club we've been using Pick-Axe's/Sledgehammers to remove the asphalt. New Sod pitching courts is our project. Dropped a 200 lb. wheelbarrow load and wrenched my back... was supine for 2 days. Ok now.

Also keeping the 160 Meter sked going, antenna testing with the short TX/RX loop for 160, starting the link tuner, modifying a 5/8 wl. CB ant. for 10 meters, calibrating the ICF-6700W thanks to Paul/WA9PWP and the loaner service manual. Just finished reading all about Solid State tubes -- articles compiled by my friend in Idaho who has been so kind.

It takes a QRO commitment to be a QRP'er -- if you let it. But I did get in a 8 hour fishing trip with my second oldest on Sunday. QRP of course -- the bluegill was 4 inches :) :) I did contemplate /MM operation but decided to focus on time with my boy. We took the Seveylor 4 person boat and trolling motor. Dale used the high-volume pump so I wouldn't strain my back any further. The SPF 15 suntan lotion was missing so I got a nice QRO burn... Father's day is coming up, maybe I'll get a fishing license and fish too.

Only 2 hrs sleep last night so am on my 8th espresso. May have to go back to Turkish coffee and cut down to 4 of those... Can you spell Ibric? Was up late and decided to rewire an old vacuum cleaner. Lately the dog has been carrying in dirt-clods to share... XYL going crazy with the other vacuum cleaner broke so I had to act quickly..

I sure get a lot done when the weather heats up. 80 yesterday, 82 today... if it gets to 100 or more I might build a new house.... Always more active when it warms up.

Hope y'all keepin' busy. Later.
I got something to do. :)
Oh, I'm turning 40 next month :)

Best to all from eyeglass wearing
Smiling Ed --> =ED
=ED
Get it?

--
72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Tue, 16 Jun 1998 17:51:41 -0400
From: Mel Evans <MelEvansGM6JAG@compuserve.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [13253] RE: Equiv. operating.
Message-ID: <199806161752_MC2-406C-DEA4@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hi Guys,

After the recent posts regards G licenses, I'm making up pages for Euramc=
om
to the UK side for the various classes and country locators and I'll get
them on line ASAP.

Could someone e-mail me with the currently valid US classes and prefixes,=
and we'll try to cross-refernce these where possible for future reference=
=2E

72 and 73 de Mel
GM6JAG
Edinburgh, Scotland UK
Home of the last HW9

Area Chairman, British Caravanner's Club
Web Pages <<http://users.aol.com/bccscot/page1.html>>

Alternate e-mail address: <melgm6jag@aol.com>

Authorised at 11kv, 33kv, and up to 275kv

Check out < <http://users.aol.com/euramcom/welcome.html> >
for details of euro-american components equivalents!

Date: Tue, 16 Jun 1998 17:51:43 -0400
From: Mel Evans <MelEvansGM6JAG@compuserve.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [13254] Bill Meara's item
Message-ID: <199806161752_MC2-406C-DEA5@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hi guys, =

I get the bulletin a few weeks late here in the old country, well the ARR=
L
send it via dog sled and mule train to the UK, and I've just read Bill's
nice wee article. How come nobody mentioned this on the list? Or did I mi=
ss
it?

Anyway, congratulations Bill on a good item, well worth the reading!

72 and 73 de Mel
GM6JAG
Edinburgh, Scotland UK
Home of the last HW9

Area Chairman, British Caravanner's Club
Web Pages <<http://users.aol.com/bccscot/page1.html>>

Alternate e-mail address: <melgm6jag@aol.com>

Authorised at 11kv, 33kv, and up to 275kv

Check out < <http://users.aol.com/euramcom/welcome.html> >
for details of euro-american components equivalents!

Date: Tue, 16 Jun 1998 18:26:08 -0400
From: Tracy@bytemark.com (Tracy)
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [13255] K5FO Orlando Meeting
Message-ID: <000001bd9975\$c2533be0\$0cffff0a@titan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Chuck called me tonight and asked that I post this note. He's in town, and would like to meet with us Central Florida folks.

We will be meeting at 6:30pm, Wed., Jun 17th at the Olive Garden restaurant on East Colonial Drive (SR 50) just off Alafaya Trail in East Orlando. This should be fairly easy for most of us in the Orlando and Titusville areas to get to. He said he'd like to do it again next week some time of possible.

Hope to see you all there,
Tracy N4LGH #1453

Date: Tue, 16 Jun 1998 22:06:48 -0600
From: radioray@juno.com (Raymond E Tougas)
To: qrp-l@Lehigh.EDU
Subject: [13256] FS: C.I.A. QRP (YUK YUK)
Message-ID: <19980616.220651.9078.1.radioray@juno.com>

Hello Everyone,

I'm cleaning out my collection of obscure radios to raise money for still MORE radios!!! I have for sale a PRC-64. This set is fully operational, 5 watt, cw, with an internal gell cell pack which I made for it. It is crystallized for 3686 and 7133, and also has crystals for 5975/BBC.

The set is great for a collector and has the following items:

- >"Jump canvas" The bag which it is carried in. (rare item)
- >Dipole antenna kit (not original , but 'just like' the original.)
- >2 earphones
- >Complete copy of the maintenance manual
- >Charging cable for the internal gell cell pack.

If you are not familiar with the set, do a search on the 'net' for PRC-64 and/or Delco 5300.

Price \$300/OBO - We can talk about trades etc.

I also have an operational PRC-74B for sale with antenna kit, whip (no base) headphones, handset, key..... again \$300. I'll trade BOTH for something NEAT!!! Tell your friends!

>Ray/ N0EKU

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 16 Jun 1998 18:28:08 -0400
From: "Bill NT1R" <wlegge1@maine.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [13257] WM 1 MANUAL FOUND, TNX ALL
Message-ID: <199806162225.SAA25539@proxyb1-atm.maine.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Date: Tue, 16 Jun 1998 15:37:35 -0700 (PDT)
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
To: qrp-l@Lehigh.EDU
Subject: [13258] Wanted: HyGain DX77
Message-ID: <199806162237.PAA25470@heracles.llnl.gov>

I am looking for a used HyGain DX77 vertical with which to make a phased pair of them (already have ONE!). Will trade a JPS NIR-12 straight across and I would pay shipping both ways. Or, am willing to pay \$250 plus shipping.

I need some gain to compete (!) with KU7Y on 40 !!!

Allan K7GT

Date: Tue, 16 Jun 1998 22:46:06 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13259] Remote (Inductive) Powered transmission.
Message-ID: <3586F5AE.7529@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Good reading.

http://www.eek.ee.ethz.ch/publicat/publ_002/publicat.html

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<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Tue, 16 Jun 1998 17:55:15 -0500
From: ac5ez@webtv.net (Larry B)
To: qrp-l@Lehigh.EDU
Subject: [13260] qrp on the air
Message-ID: <199806162255.PAA21201@mailtod-122.bryant.webtv.net>
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII
Content-Transfer-Encoding: 7BIT
MIME-Version: 1.0 (WebTV)

AT last , the mfj 9020 arrived. First things first, attach the antenna and power up. Does it receive? Yes!!! Now let's hook up the keyer and brass racer. Oops, don't have the proper connector. Off to radio shack and back with several connectors. Wire it up. Does it work? No. Check everything out and discover the cable is open, rats! Get another cable out of junk box, wire it up again. Does it work? Yes!!! But , there is an odd extra dit , when sending the letter C, Ummmm. What's going on. OK, take the battery off and wire up a connector for the Heathkit 2 amp power supply that will be used in the shack. Does it work? Yes!!! Still got that odd extra dit, now and then. Ummmm
Get on the air and chat with k5vj at 14.050, still got the extra dit. Check everything out, don't understand it. Last resort, measure the 9v battery that runs the keyer, and discover it's only 2.4 volts. Put in another 9v, that measures 7.6vdc. Well, now the extra dit, on the letter c , is gone. Everything works great!!!
The last touch. Dig out an old qrp watt/swr meter that measures in a

10watt range and put it in line .
Power output is 5 watts!!! Check the swr of the R5, its about 1.7 to 1
It all works, and I am satisfied! Qrp is fun.

Larry Ac5ez
Qcwa

End of QRP-L Digest 1124

